

Response to Office Action of June 30, 2005
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COMPLETE LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-32. (Cancelled)
33. (Previously presented) A networked electronic ordnance system, comprising:
 - a plurality of pyrotechnic devices connected by a network, each pyrotechnic device comprising an initiator and a logic device associated with a unique identifier;
 - means for transmitting a digital arming command onto the network, the digital arming command using one or more of the unique identifiers;
 - means for altering an analog condition of the network to a firing condition; and
 - means for transmitting a digital firing command onto the network, the digital firing command using one or more of the unique identifiers; and
 - wherein the logic device in each of the pyrotechnic devices is operative for
 - storing activation energy in the associated pyrotechnic device if the digital arming command includes the unique identifier of the logic device; and
 - releasing the stored activation energy into the initiator of its associated pyrotechnic device if both (1) the analog condition of the network has been modified to the firing condition and (2) the digital firing command includes the unique identifier of the logic device.
34. (Previously presented) The networked electronic ordnance system of claim 33, wherein the means for altering the analog condition of the network alters one or more of the following network conditions: voltage level, frequency, or modulation depth.
- 35-65. (Cancelled)

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66. (Previously presented) A networked electronic ordnance system, comprising:

a plurality of pyrotechnic devices connected by a network, each pyrotechnic device comprising an initiator and a logic device associated with a unique identifier;

a bus controller connected to said plurality of pyrotechnic devices through said network, said bus controller being operative to (1) transmit a digital arming command onto the network, the digital arming command using one or more of the unique identifiers (2) alter an analog condition of the network to a firing condition; and (3) transmit a digital firing command onto the network, the digital firing command using one or more of the unique identifiers; and

wherein the logic device in each of the pyrotechnic devices is operative for storing activation energy in the associated pyrotechnic device if the digital arming command includes the unique identifier of the logic device; and

releasing the stored activation energy into the initiator of its associated pyrotechnic device if both (1) the analog condition of the network has been modified to the firing condition and (2) the digital firing command includes the unique identifier of the logic device.

67. (Previously presented) The networked electronic ordnance system of claim 66, wherein the means for altering the analog condition of the network alters one or more of the following network conditions: voltage level, frequency, or modulation depth.

68-87. (Cancelled)